



Mesa Top Mine

1. Location/Land Status: The Mesa Top Mine is located on BLM land within Section 20, T13N, R9W on the USGS Dos Lomas quadrangle, some 12 miles north of Milan, NM. Physical access to the mine can be gained by traveling north from Milan, NM on NM 605 eleven miles to Haystack Road, continue north 0.8 miles on NM 605. West of the highway at this point there is a stock tank and gate, from which access to the mine is possible by foot approximately one mile away. Legal access to this property was graciously provided by (b) (6)

2. Human Activity: No obvious human activity besides historical mining was noted. No residences were noted within a one-mile radius of the site.

3. Radiological Survey: Radiological survey results were as follows: ground surface maximum of 460 $\mu\text{R}/\text{hour}$ and minimum of 20 $\mu\text{R}/\text{hour}$. Four-foot elevation maximum was 440 $\mu\text{R}/\text{hour}$ and minimum was 18 $\mu\text{R}/\text{hour}$. Background radiation levels are approximately 10 $\mu\text{R}/\text{hour}$.

4. Mine Disturbance: The mine consists of two vertical shafts, three concrete structure pads, a fallen wooden head frame, and numerous rock piles (approximately 120) with an estimated volume of 1,500 to 2,000 cubic-yards.

5. Plant Community: The surrounding area is characteristic pinon-juniper forest. The vegetation on site consists of the following: 30% grasses, 20% forbs, 10% shrubs, 30% trees, and 10% bare earth.

6. Soils: Soils at the site are Celavar-Atarque complex, which are well drained loamy soils with slopes of 1 to 8%. Bedrock is shallow, at depths of 20 to 40 inches.

7. Wildlife: There were numerous signs of wildlife on site, including: deer, fox, rabbit, and rodents.

8. Land Use: Land use is currently limited grazing.

9. Off-Site Impacts: No off-site impacts were noted.

10. Topographic Features: The site is low rolling hills, with no notable erosional features.

11. Hydrogeology: Based on a review of the NMOSE iWaters database, there is one well record within a one mile search radius, which does not have a recorded depth to water. It is located approximately 0.6 miles to the west. The nearest well to the site with a recorded depth to water is approximately 1.2 miles to the southeast, with a depth to water of 280 feet.



The nearest surface water drainage feature is approximately 0.3 miles to the southwest of the site.



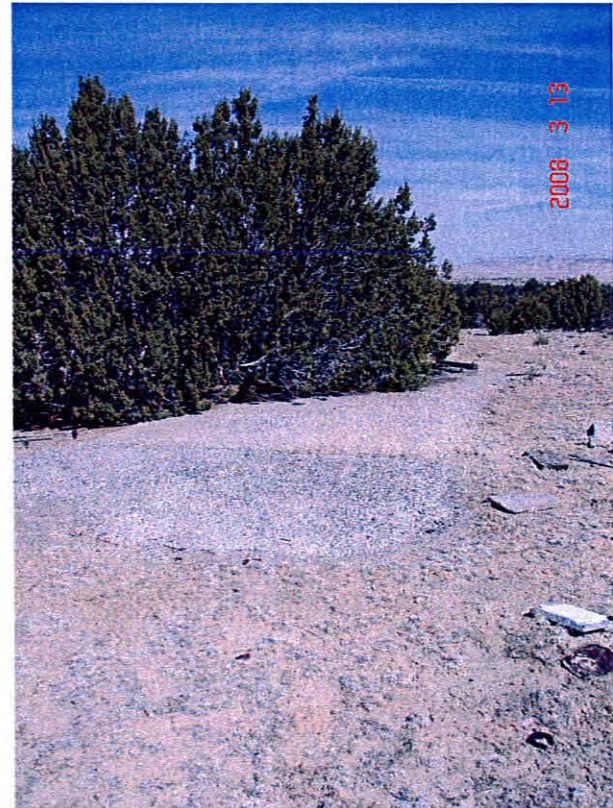
Shaft



Vent shaft



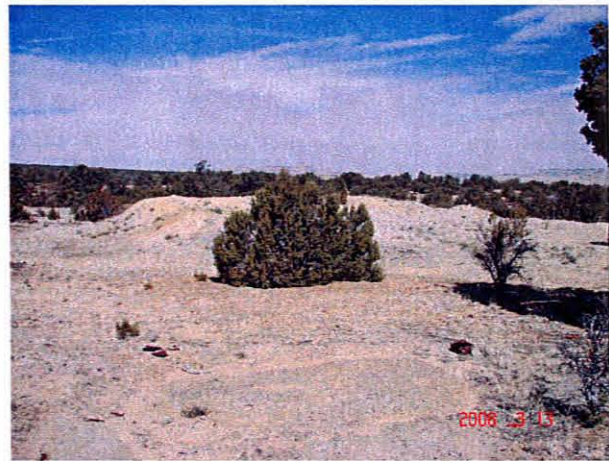
Vent shaft



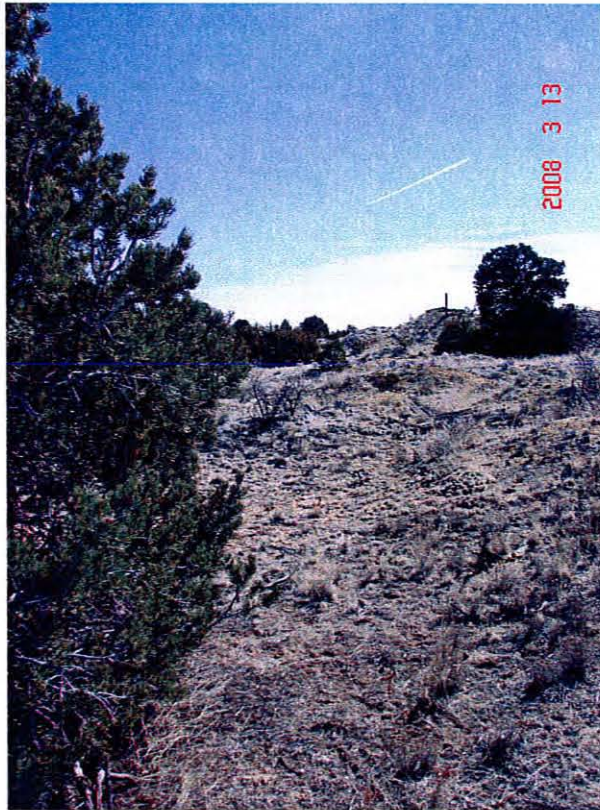
Concrete foundation/structure pad



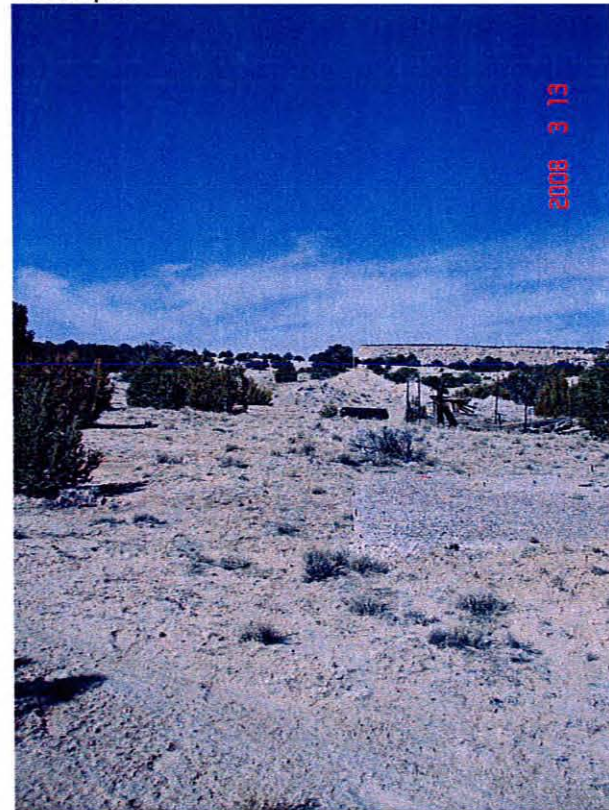
Vent shaft



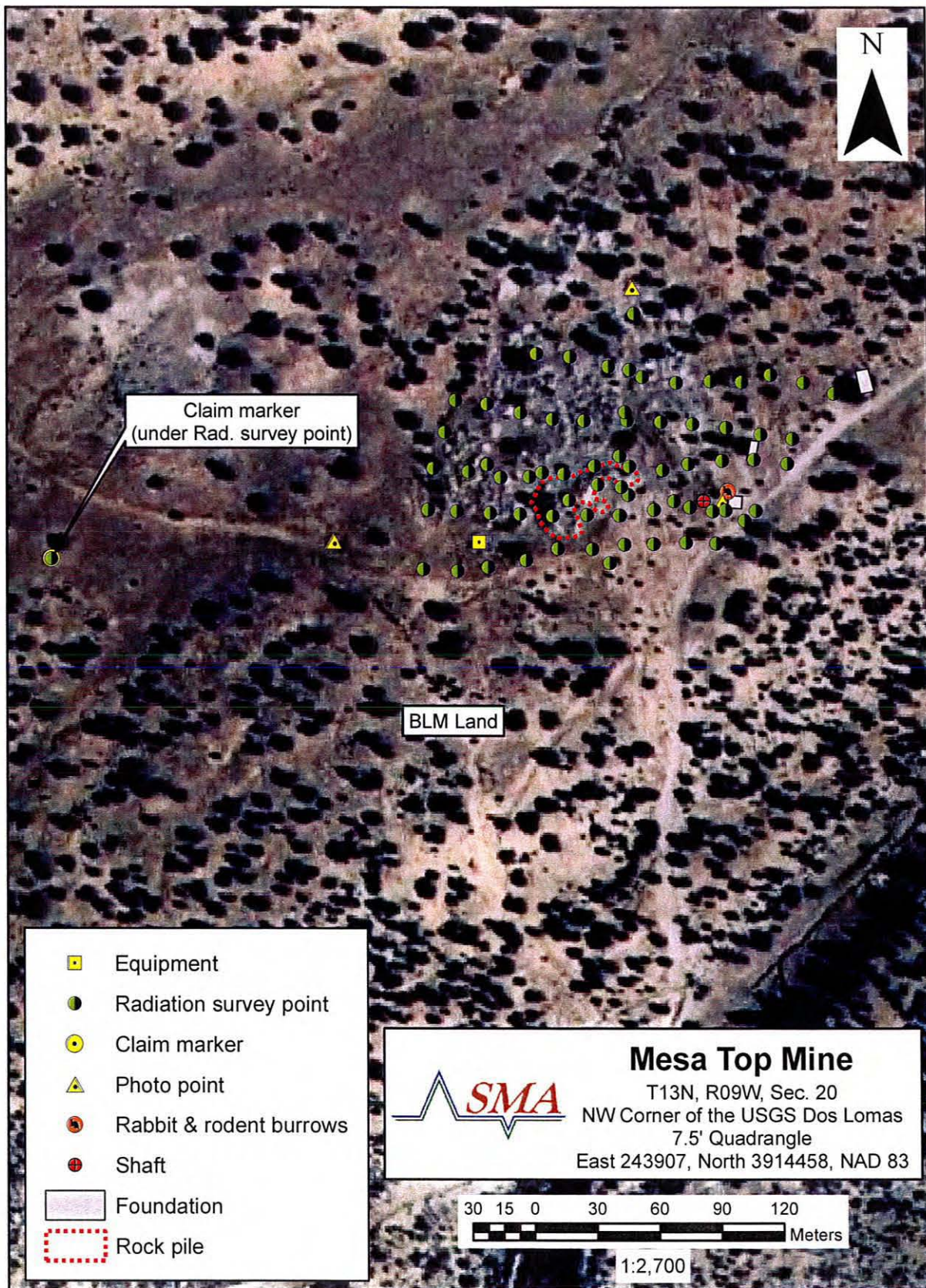
Rock pile



View west - pile



View west – pad, shaft, pile



AUM Field Survey Data Sheet

Site

Pine TopDoc

Date <u>01/24/03</u>	Time On-Site <u>1000 hrs</u>	Time Off-Site <u>1340 hrs</u>	By <u>Brian Hertz / Bill Bradman</u>
Weather Conditions: <u>Clear, Sunny, appx 30°F, slight Breeze</u>			

Disturbances	GPS#	Description	Dim/Area/Volume	Photo #'s
Shafts	<u>01</u>	<u>vertical shaft ~60'</u> <u>fenced w/wood collar</u>	<u>12' x 12'</u>	
Adits <u>1</u> <u>1</u> <u>1</u>	<u>16</u> <u>37</u> <u>39</u>			
Pits <u>N/A</u>				
Waste Rock Dumps/ <u>Stock Pile</u>	<u>12</u> <u>42-45</u>			
Tailings <u>N/A</u>				
Trenches <u>N/A</u>				
Roads <u>overgrown</u> <u>non-existent</u>				
Erosional Features <u>None Extraordinary</u>				
Structures / Equipment	GPS#	Description	Dimensions	Photo #
Buildings <u>N/A</u>				
Headframes <u>1</u>	<u>35</u>	<u>WOODEN</u>		
<u>Claim Marker</u>	<u>22</u>	<u>Possible claim marker</u>		

AUM Field Survey Data Sheet

Site Mesatop/D14

Equipment				
Soils	GPS#	Description	Extent	Photo #
290 - Rock outcrop - West main Sky Village 305 - CELAVAR - ATASQUE Complex		SEE USDA-NRCS ATTACHMENT		
Vegetation	GPS#	Description	Extent	Photo #
— SEE ATTACHMENT				
Wildlife	GPS#	Description		Photo #
Scattered rodent dens Canid tracks (?) old Scattered deer pellets				
Human Activity (non-mining, w/in 0.5 mi of site)	GPS#	Description	Extent	Photo #
None known				
Land Use (grazing, agricultural, roads, etc., w/in 0.5 mi of site)	GPS#	Description	Extent	Photo #
Limited grazing		on & off site		
Nearby Residences / Wells (w/in 0.5 mi of site)	GPS#	Description	Distance to Site	Photo #
None known				
Topographic Features (roads, water courses, etc.)	GPS#	Description		Photo #

Typical low, rolling hills.

AUM Field Survey Data Sheet

Site

Mesa Top

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AUM Field Survey Data Sheet

Site

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
02	Rad. survey E to W	50	70
03	"	120	90
04	"	80	70
05	"	90	80
06	"	150	120
07	"	120	100
08	"	80	70
09	"	20	19
10	Vertical iron cylinder 1.5' dia. x 9' h	500	—
11	Stock pile Rad S to N	110	90
12	Stock pile & framework	—	—
13	Rad. survey S to N	80	70

AUM Field Survey Data Sheet

Site Mesa Top / Dog

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AUM Field Survey Data Sheet

Site _____

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
14	Rad survey S to N	80	70
15	"	120	110
16	"	140	120
17	"	120	110
18	"	100	90
19	"	30	27
20	Old car piece	24	20
21	Claim stake hole	24	20
22	Claim stake	11	10
23	Claim stake	—	—
24	"	—	—
25	pent shaft (pt gene.)	—	—

AUM Field Survey Data Sheet

Site Mesa TOP/Dog

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AUM Field Survey Data Sheet

Site _____

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
26	Rad survey W to E	19	17
27	"	17	15
28	"	26	24
29	"	30	28
30	"	130	110
31	"	70	50
32	"	26	22
33	"	20	20
34	"	24	20
35	headframe	—	—
36	decline	800	800
37	decline	600	300
38	concrete pad	260	240
39	adit	46	42

Mine I.D.: MesTOP / DOG

Plant Community Data

Date/Time: 01/24/08

Weather: Sunny, slight breeze

Observer: B. MERTZ

Current Plant Community:Photo# *Pinon - Juniper, open forest**30% Tree, 30% grasses, 20% Forb, 10% shrub, 10% bare ground*Other Species Present:Photo # *Four wing Saltbrush (Atriplex canescens)**Blue gramma (B. Gracilis)**Unknown grass (no inflorescence, culm) NOT B. Gracilis**Broom snakeweed (G. sarothrae)**Rabbit brush
Chrysothamnus spp.*T&E Present: Y/N?

If yes, species?

NO

Photo #

Noxious Weeds: Y/N?

If yes, species?

NO

Photo #

Bare Spots? Y/N?

Number of spots/size

yes, normal bare spots - between vegetation

Photo #

Standing Dead? Y/N?

If yes, species?

NO

Photo #

Photo Point GPS Coord.

Photo #/Direction

Additional Notes:

Use back if necessary

AUM Field Survey Data Sheet

Site AUM - Dog 2008-3-13

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
G0	Rad. survey ✓	22	20
G1	"	60	50
G2	"	70	80
G3	"	70	80
G4	" ✓	80	80
G5	" ✓	44	40
G6	"	1800	1000
G7	"	90	90
G8	"	130	110
G9	" -✓	38	32
G10	" ✓	18	22
G11	"	80	70
G12	"	140	120
G13	"	260	220
G14	" ✓	18	24

AUM Field Survey Data Sheet

Site AUM - Dog 2008 - 3 - 13

Radiological Survey			
GPS#	Description	Reading Surface	Reading 4 feet
G15	Rod survey ✓	42	42
G16	"	280	260
G17	"	50	48
G18	"	200	180
G19	" ✓	180	170
G20	" ✓	180	170
G21	"	100	80
G22	"	240	220
G23	"	500	320
G24	" ✓	36	30
G25	" ✓	24	22
G26	"	90	90
G27	"	40	38
G28	"	44	42
G29	" ✓	22	20

1/2 G: 30% base 20% for.
 20% P & J 10% base
 20% quartz